WHAT IS CLAIMED IS:

1. A luminescence device, comprising: an organic compound layer comprising a metal coordination compound represented by the following formula (1):

 $\begin{array}{c|c}
X_1 & X_2 & X_3 \\
X_1 & X_3 & X_4 & X_5 \\
X_8 & X_7 & X_6 & N
\end{array}$ (1),

wherein M denotes Ir, Rh/or Pd; n is 2 or 3; and X1 to X8 independently denote hydrogen atom or a substituent selected from the group consisting of halogen atom; nitro group; trifluoromethyl group trialkylsilyl group having three linear or branched alkyl groups each independently having 1 - 8 carbon atoms; and a linear or branched alkyl group having 2 - 20 carbon atoms capable of including one or at least two nonneighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C=C- and capable of including hydrogen atom which can be replaced with fluorine atom; with the proviso that at least one of X1 to X8 is a substituent other than hydrogen atom, and X2 and X3 cannot be fluorine atom at the same time.

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- 2. A device according to Claim 1, wherein at least two of X1 to X8 are substituents other than hydrogen atom.
- 3. A device according to Claim 1, wherein at least one of X5 to X8 is a substituent other than hydrogen atom.
- 4. A device according to Claim 1, wherein at least two of X1 to X4 are substituents other than hydrogen atom.
 - 5. A device according to Claim 1, wherein at least one of X2, X3 and X4 has a Hammett's substituent constant of at least 0.2 with respect to the carbon atom connected to M, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25 °C of at most 490 nm.
- 20 6. A device according to Claim 1, wherein X2, X3 and X4 provides a sum of Hammett's substituent constant of at least 0.41 with respect to the carbon atom connected to M, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25 °C of at most 490 nm.
 - 7. A device according to Claim 6, wherein the

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OC of at most 490/nm.

sum of Hammett's substituent constant is at least 0.50.

8. A luminescence device, comprising: an organic compound layer comprising a metal coordination compound having at least one substituent, wherein said at least one substituent includes a substituent having a Hammett's substituent constant of at least 0.2, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25

- 9. A device according to Claim 8, wherein said at least one substituent includes two or more substituents each having a Hammett's substituent constant of at least 0.2.
- 10. A device according to Claim 1, further comprising a pair of electrodes oppositely disposed to sandwich the organic compound layer, wherein a voltage is applied between the pair of electrodes to cause luminescence.
- 11. A display apparatus, comprising: a

 luminescence device according to Claim 1 and drive
 means for driving the luminescence device.

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12. A metal coordination compound, adapted for use in a luminescence device, represented by the following formula (1):

 $\begin{array}{c|c}
X_2 \\
X_1 \\
X_2 \\
X_3 \\
X_4 \\
X_5 \\
X_8 \\
X_7 \\
X_6 \\
N
\end{array}$ (1),

wherein M denotes If, Rh or Pd; n is 2 or 3; and X1 to X8 independently denote hydrogen atom or a substituent selected from the group consisting of halogen atom; nitro group; trifluoromethyl group trialkylsilyl group having three linear or branched alkyl groups each independently having 1 - 8 carbon atoms; and a linear or branched alkyl group having 2 - 20 carbon atoms capable of including one or at least two nonneighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C=C- and capable of including hydrogen atom which can be replaced with fluorine atom; with the proviso that at least one of X1 to X8 is a substituent other than hydrogen atom, and X2 and X3 cannot be fluorine atom at the same time.

- 13. A compound according to Claim 12, wherein at least two of X1 to X8 are substituents other than hydrogen atom.
- 14. A compound according to Claim 12, wherein at least one of X5 to X8 is a substituent other than hydrogen atom.
- 15. A compound according to Claim 12, wherein at least two of X1 to X4 are substituents other than hydrogen atom.
 - 16. A compound according to Claim 12, wherein at least one of X2, X3 and X4 has a Hammett's substituent constant of at least 0.2 with respect to the carbon atom connected to M, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25 °C of at most 490 nm.
- 20 17. A compound according to Claim 12, wherein X2, X3 and X4 provides a sum of Hammett's substituent constant of at least 0.41 with respect to the carbon atom connected to M, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25 °C of at most 490 nm.
 - 18. A compound according to Claim 17, wherein the

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sum of Hammett's substituent constant is at least 0.50.

19. A metal coordination compound having at least
5 one substituent adapted for use in a luminescence
device, wherein

said at least one substituent includes a substituent having a Hammett's substituent constant of at least 0.2, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25 °C of at most 490 nm.

- 20. A compound according to Claim 19, wherein said at least one substituent includes two or more substituents each having a Hammett's substituent constant of at least 0.2.
- 21. A lyminescence device, comprising: an organic compound layer comprising a metal coordination compound represented by the following formula (2):

$$X_1$$
 X_2
 X_3
 X_4
 X_4
 X_5
 X_6
 X_7
 X_8
 X_9
 X_9

wherein M denotes Ir, Rh or Pd; n is 7 or 3; Y denotes an alkylene group having 2 - 4 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S- or -CO- and capable of including hydrogen atom which can be replaced with a linear or branched alkyl group having 1 - 10 carbon atoms; and X1 and X2 independently denote hydrogen atom; halogen atom; nitro group; trialkylsilyl group having 1 - 8 carbon atoms; or a linear or branched alkyl group having 1 - 20 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C=C- and capable of including hydrogen atom which can be replaced with fluorine atom.

22. A device according to Claim 21, wherein at least one of X1 to X2 is hydrogen atom.

23. A device according to Claim 21, further comprising a pair of electrodes oppositely disposed to sandwich the organic compound layer, wherein a voltage is applied between the pair of electrodes to cause luminescence.

24. A metal coordination compound, adapted for use in a luminescence device, represented by the

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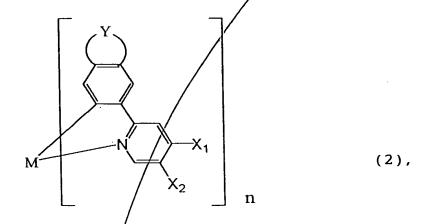
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following formula (2):



wherein M denotes Ir, Rh or Pd; n is 2 or 3; Y denotes an alkylene group having 2 - A carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S- or -CO- and capable of including hydrogen atom which can be replaced with a linear or branched alkyl group having 1 - 10 carbon atoms; and X1 and X2 independently denote hydrogen atom; halogen atom; nitro group; trialkylsilyl group having 1 - 8 carbon atoms; or a linear or branched alkyl group having 1 - 20 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH-or -C=C- and capable of including hydrogen atom which can be replaced with fluorine atom.

25. A compound according to Claim 24, wherein at least one of X1 to X2 is hydrogen atom.

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